

## 832 - GABIONS

### SECTION 832

#### GABIONS

##### 832.1 DESCRIPTION

Construct gabions according to the details shown in the Contract Documents.

##### BID ITEM

Gabions

##### UNITS

Cubic Yard/Square Yard

##### 832.2 MATERIALS

To fill the gabions, provide stone for riprap (of the size shown in the Contract Documents) that complies with **DIVISION 1100**.

Provide gabions that comply with **DIVISION 1700**.

##### 832.3 CONSTRUCTION REQUIREMENTS

Provide the Engineer with a copy of the manufacturer's instructions for installation of gabion. Before erecting the gabion baskets, grade the subgrade to the lines and grades ( $\pm 1$  inch) shown in the Contract Documents.

Assemble the gabion baskets according to the manufacturer's instructions. Do not damage the wire coatings on the baskets during assembly, structure erection, cell filling or backfill. Repair damaged wire coating as recommended by the manufacturer.

Erect the gabion baskets on the prepared subgrade, and interconnect the adjacent baskets according to the manufacturer's instructions. Stagger the vertical joints between baskets of adjacent rows and layers by a minimum of  $\frac{1}{2}$  the cell length. Anchor gabion baskets as recommended by the manufacturer.

Remove all kinks and folds in the wire mesh, and align the baskets before filling the cells with stones. Carefully place the stones in baskets to prevent bulging of the baskets, and to minimize voids between the stones. Place internal connecting wires (as recommended by the manufacturer) concurrently with the placement of the stones. Fill the baskets and secure the basket lids as recommended by the manufacturer. Make all exposed basket surfaces smooth and neat with no sharp stone edges projecting through the wire mesh.

Backfill the structure according to **SECTION 204**.

##### 832.4 MEASUREMENT AND PAYMENT

When units are shown in the Contract Documents as cubic yard, the Engineer will measure the quantity of stone used to fill the gabions by the cubic yard.

When units are shown in the Contract Documents as square yard, the Engineer will measure the gabion by the square yard.

Payment for "Gabions" at the contract unit price is full compensation for the specified work.